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August 20, 1997

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Ms. Regina Keeney
Chief, Common Carrier Bureau
Federal Communications Commission
1919 M Street, N.W. Room 500
Washington, D.C. 20554

CC Docket 95-116

Re: Week 2 Illinois FCC LNP Field Test

Dear Ms. Keeney:

Attached is the second weekly update from the Illinois FCC LNP Field Test Coordinator, Dick Dowd. Calls to and from ported numbers have successfully been tested, and the test is on schedule.

If you have any questions on the testing or the summary, please call me at 312-814-6025.

Sincerely,

A handwritten signature in cursive script, appearing to read "Brent A. Struthers".

Brent A. Struthers

cc. Steven Teplitz

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Illinois FCC LNP Field Test Week 1 Summary

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Summary

Week 2 of the Illinois FCC LNP Field Test (Field Test) focused on inter-company testing. Inter-company network testing is the testing that is performed on telephone numbers ported from the Old Local Service Provider's (LSPs) switch to the New LSPs switch. Inter-company testing was initiated on August 18 by the four FCC LNP Field Test participants. This second week of testing is performed to ensure that the act of porting a telephone number to a new LSP is transparent to the customer and has no adverse affect on the customer's telephone service. Problems encountered included but were not limited to incorrect translations loaded into the LSPs switch, various incorrect translation types(TTs), and query functions set at "no" instead of "yes". All problems encountered were due to human error. There were no problems caused by the LRN technology. Problems of this nature can be reasonably expected. All that was planned to be accomplished was accomplished, and the FCC Field Test remains on schedule at the end of Week 2. All FCC Field Test participants should be commended for their team work and dedication to this project.

Week 2 events

- ♦ All LSPs successfully completed basic call through testing.
- ♦ All LSPs successfully completed 911 testing.
- ♦ Three translations problems were discovered and corrected:
 - 1) The home LRN at one end office (5ESS) was set to NO when it should have been set to YES. This caused calls to the ported in numbers from other switches to not terminate properly. This is a human error and not a fault of the switch.
 - 2) At one tandem (4ESS) the SS7 interface was not setup correctly (CNI Ring was not setup with a translations type of 11). This caused the tandem switch to NOT send the LNP queries. This is a human error and not a fault of the switch.
 - 3) At three end office (5ESS) switches the Local Digit Interpreter Table (LDIT) was set to 19 instead of 27. This caused the calls to terminate on the LRN and not the dialed digits. These three switches are the selective routers for E911. This is a human error and not a fault of the switch.
- ♦ Calls were unable to complete to the numbers ported to one of the participant's switches. Two actions resolved this problem:
 - 1) The parameters on one side of a mutual trunk group was corrected.
 - 2) The parameters on the other side of a mutual trunk group was also corrected. Both were human errors and not a fault of the switch.

- ♦ One participant was not properly default routing calls to the network that was not providing a data base dip. The switch was set to route to a vacant code announcement. This was changed to default route to the LRN which cured the problem.
- ♦ One participant experienced problems when attempting to test Operator Services. The problem turned out to be a production problem with the Operator Service platform and not a problem relating to LRN.
- ♦ Two test calls failed to a telephone numbers that are in a non-ported NPA-NXX. These test case's will be re-run next week.
- ♦ One record for a 911 test was failed because a Migrate Record was not sent. This problem doesn't relate to LRN and is being checked by the participant.
- ♦ More extensive call through testing will be initiated in Week 3.

TEST BY PARTICIPANT:

Participant	Test Cases Completed	Test Calls Made	Failed
"A"	65	1-6 per test case.	3
"B"	50	1-3 per test case.	28
"C"	48	1-3 per test case	7
"D"	63	1-3 per test case	4

"A" The 3 that failed will be retested next week.

"B" The 28 that originally failed were retested and all passed.

"C" Of the 7 that originally failed 5 were retested and passed the other 2 are to be retested next week.

"D" The 4 that failed were due to a production problem with the Operater Service Platform and will be retested when the problem is corrected.

CASES COMPLETED:

TEST CASE NO.	DATE	PASS/FAIL	COMMENTS
4.5.1.1.1	8/19	P	6 test calls made all passed
4.5.1.1.2	8/19	P	6 test calls made all passed
4.5.1.1.3	8/19	P	6 test calls made all passed
4.5.1.1.4	8/19	P	2 test calls made both passed
4.5.1.1.5	8/19	P	2 test calls made both passed
4.5.1.1.6	8/19	P	1 test call made
4.5.1.1.7	8/19	P	2 test calls made both passed
4.5.1.1.8	8/19	P	2 test calls made both passed
4.5.1.1.9	8/19	P	7 test calls made all passed
4.5.1.1.10	8/19	P	3 test calls made all passed
4.5.1.1.11	8/19	P	
4.5.1.1.10	8/18	P	
4.5.1.1.10	8/20	P	

4.5.1.1.10	8/18	P	
4.5.1.1.10	8/21	F	Failed tone on line later passed
4.5.1.1.11	8/18	P	Failed first time passed second
4.5.1.1.10A	8/18	P	
4.5.1.1.11	8/18	P	
4.5.1.1.11	8/18	P	3 test calls made all passed
4.5.1.1.11	8/19	P	5 test calls made all passed
4.5.1.1.12	8/18	P	3 test calls made all passed
4.5.1.1.12	8/18	P	
4.5.1.1.12	8/19	P	2 test calls made one passed
4.5.1.1.12A	8/19	P	
4.5.1.1.13	8/18	P	
4.5.1.1.13	8/21	P	Failed first time passed second
4.5.1.1.13	8/19	P	3 test calls made all passed
4.5.1.1.14	8/18	P	
4.5.1.1.14	8/18	P	
4.5.1.1.14	8/19	P	
4.5.1.1.14	8/19	P	2 test calls made first failed second passed.
4.5.1.1.14	8/21	P	2 test calls made both passed
4.5.1.1.14A	8/19	P	
4.5.1.1.15	8/19	P	
4.5.1.1.15	8/18	P	
4.5.1.1.15	8/21	P	3 test calls made all passed
4.5.1.1.15A	8/19	P	
4.5.1.1.16	8/19	P	
4.5.1.1.16	8/19	P	2 test calls made 1 passed 1 failed.
4.5.1.1.16	8/21	P	test case above that failed now passed.
4.5.1.1.16	8/21	P	1 test call made
4.5.1.1.17	8/18	P	
4.5.1.1.17	8/19	P	
4.5.1.1.17	8/21	P	2 test calls made both passed
4.5.1.1.18	8/18	P	
4.5.1.1.18	8/20	P	2 test calls made failed first passed second attempt.
4.5.1.1.18	8/21	P	1 test call made
4.5.1.1.18	8/18	P	
4.5.1.1.19	8/18	P	
4.5.1.1.19	8/19	P	
4.5.1.1.19	8/21	P	6 test calls made all passed
4.5.1.1.20	8/18	P	
4.5.1.1.20	8/19	P	
4.5.1.1.20	8/21	P	6 test calls made 5 passed
4.5.1.1.21	8/18	P	
4.5.1.1.21	8/18	P	
4.5.1.1.21	8/21	P	2 test calls made both passed
4.5.1.1.22	8/18	P	Originally failed, terminating carrier made changes and test case passed.
4.5.1.1.22	8/21	P	5 test calls made all passed
4.5.1.1.23	8/21	P	5 test calls made all passed

4.5.1.1.24	8/18	P	
4.5.1.1.24	8/21	P	2 test calls made both passed
4.5.1.1.25	8/18	P	
4.5.1.1.25	8/21	P	5 test calls made all passed
4.5.1.1.26	8/18	P	
4.5.1.1.26	8/19	P	
4.5.1.1.26	8/21	P	2 calls made first failed second attempt passed.
4.5.1.1.26	8/21	P	4 calls made first three failed line busy, 4th passed.
4.5.1.1.26	8/21	P	1 test call made
4.5.1.1.27	8/18	P	Originally failed, terminating carrier made changes and
test case passed.			
4.5.1.1.27	8/20	P	
4.5.1.1.27	8/21	P	1 test call made
4.5.1.1.28	8/18	F	Dial around using 3 networks will be retested.
4.5.1.1.29	8/18	F	Dial around using 3 networks will be retested.
4.5.1.1.30	8/21	P	1 test call made
4.5.1.1.31	8/21	P	1 test call made
4.5.1.2.1	8/20	P	
4.5.1.2.2	8/22	P	
4.5.1.2.5	8/20	P	
4.5.2.1.1	8/20	p	
4.5.2.1.2	8/20	P	
4.5.2.1.3	8/20	p	
4.5.2.1.7	8/20	P	
4.5.2.2.1	8/20	P	
4.5.2.2.1A	8/22	P	
4.5.2.2.2	8/21	P	
4.5.2.2.2A	8/21	P	
4.5.2.2.4	8/21	P	
4.5.2.2.4A	8/22	P	
4.5.2.2.9	8/21	P	
4.5.2.3.1	8/21	P	
4.5.2.3.1A	8/22	P	
4.5.2.3.2	8/21	P	
4.5.2.3.2A	8/21	P	
4.5.2.3.4	8/22	P	
4.5.2.3.9	8/22	P	
4.5.2.4.1	8/21	P	
4.5.2.4.1A	8/22	P	
4.5.2.4.2	8/21	P	
4.5.2.4.2A	8/21	P	
4.5.2.4.5	8/21	P	
4.5.2.4.7	8/21	P	
4.5.2.5.1	8/21	P	
4.5.2.5.3	8/21	P	
4.5.2.5.5	8/21	P	
4.5.2.5.8A	8/21	P	
4.5.2.5.8B	8/21	P	
4.5.2.5.8C	8/21	P	

4.5.2.5.8D	8/21	P	
4.5.4.1	8/22	P	
4.5.4.1A	8/22	P	
4.5.4.2	8/22	P	
4.5.4.2A	8/22	P	
4.5.6.2.1	8/13	P	
4.5.6.2.1	8/20	P	
4.5.6.2.2	8/21	P	
4.5.6.2.2	8/20	P	
4.5.6.2.3	8/21	P	
4.5.6.22	8/21	P	
4.5.6.23	8/21	P	
4.5.6.24	8/19	P	
4.5.6.25	8/19	P	
4.5.6.27	8/19	P	
4.5.7.1.3	8/18	P	
4.5.7.1.6	8/18	P	
4.5.7.1.6A	8/20	P	
4.5.7.1.8	8/18	P	
4.5.7.1.8A	8/18	P	
4.5.7.2A	8/20	P	
4.5.7.2B	8/20	P	
4.5.7.2.1A	8/18	P	
4.5.7.1.3A	8/20	P	
4.5.7.1.6	8/20	P	
4.5.7.1.8	8/19	P	
4.5.7.1.8A	8/19	P	
4.5.7.1.7	8/19	P	
4.5.7.1.7A	8/19	P	
4.5.7.1.13	8/19	P	
4.5.7.2.1A	8/19	P	
4.5.7.2.1B	8/19	P	
4.5.7.2.2A	8/19	P	
4.5.7.2.2B	8/19	P	
4.5.7.10	8/20	P	
4.6.2.3	8/21	P	1 test call made
4.6.2.4	8/21	P	1 test call made
4.6.2.24	8/21	P	1 test call made
4.6.2.25	8/21	P	1 test call made
4.6.2.27	8/21	P	1 test call made
4.8.1.1.1	8/21	P	3 test calls made all passed
4.8.1.1.1	8/20	P	
4.8.1.1.1	8/21	P	
4.8.1.1.2	8/20	P	
4.8.1.1.2	8/21	P	2 test calls made both passed
4.8.1.1.3	8/20	P	
4.8.1.1.3	8/20	P	
4.8.1.1.3	8/21	P	2 test calls made both passed
4.8.1.1.4	8/21	P	3 test calls made all passed

4.8.1.2.1	8/21	P	1 test call made
4.8.1.2.1	8/21	P	
4.8.1.2.2	8/21	P	1 test call made
4.8.1.2.3	8/19	P	
4.8.1.2.3	8/21	P	1 test call made
4.8.1.2.4	8/19	P	
4.8.1.2.4	8/21	P	1 test call made
4.8.2.1.1	8/19	P	
4.8.2.1.1	8/21	P	
4.8.2.1.1	8/21	P	3 test calls made all passed
4.8.2.1.2	8/19	P	
4.8.2.1.2	8/21	P	
4.8.2.1.3	8/19	P	3 test calls made all passed
4.8.2.1.3	8/21	P	4 test calls made all passed
4.8.2.1.4	8/19	P	
4.8.2.1.4	8/21	P	3 test calls made all passed
4.8.2.1.5	8/19	P	
4.8.2.1.6	8/19	P	
4.8.3.1.1	8/21	P	1 test call made
4.8.3.1.1	8/21	P	
4.8.3.1.2	8/21	P	1 test call made
4.8.3.1.3	8/21	P	1 test call made
4.8.3.1.5	8/19	P	
4.8.4.1.1	8/21	P	3 test calls made all passed
4.8.4.1.1	8/19	P	
4.8.4.1.1	8/22	P	
4.8.4.1.2	8/21	P	3 test calls made all passed
4.8.4.1.3	8/19		
4.8.4.1.3	8/21	P	3 test calls made all passed
4.8.4.2.1	8/21	P	1 test call made
4.8.4.2.2	8/21	P	1 test call made
4.8.4.2.3	8/21	P	1 test call made
4.8.5.1.1	8/20	P	
4.8.5.1.1	8/21	P	3 test calls made all passed
4.8.5.1.1	8/22	P	
4.8.5.1.2	8/21	P	3 test calls made all passed
4.8.5.1.3	8/20	P	
4.8.5.1.3	8/21	P	3 test calls made all passed
4.8.5.1.4	8/21	P	3 test calls made all passed
4.8.5.1.5	8/21	P	3 test calls made all passed
4.8.5.2.1	8/21	P	1 test call made
4.8.5.2.1	8/22	P	2 test calls made, 1st failed, 2nd passed.
4.8.5.2.2	8/21	P	1 test call made
4.8.5.2.3	8/21	P	1 test call made
4.8.5.2.4	8/21	P	1 test call made
4.8.6.1.1	8/18	P	
4.8.6.2.1A	8/19	P	
4.5.6.1.3	8/21	P	4 test call made 3 passed